



RECEIVED  
OCT 08 2003  
GROUP 3600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Patrick W. Bixenman et al.	§	Group Art Unit:	3672
		§		
Serial No.:	10/078,612	§		
		§	Examiner:	Jennifer R. Dougherty
Filed:	February 19, 2002	§		
		§		
For:	Thru-Tubing Sand Control Method	§	Atty. Dkt. No.:	68.0127CNT1
	and Apparatus	§		(SHL.0147C1US)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**DECLARATION UNDER 37 C.F.R. § 1.131 OF PATRICK W. BIXENMAN AND  
JAMES A. PRAMANN II**

We, Patrick W. Bixenman and James A. Pramann II, state as follows:

1. We are the inventors of the above-referenced application.
2. The above referenced application is a continuation of U.S. Patent Application Serial No. 09/631,859, filed August 3, 2000 (hereinafter referred to as "the parent application").
3. The document attached as Exhibit A contains a diagram of a completion string referred to by Schlumberger, the assignee of the present application, by the code name AGIP NAOMI. The completion string includes a sand screen (see screen in "Level 2" zone of the well), as well as an intelligent completions device (labeled 3-1/2" WRFCH) disposed in the sand screen. The device labeled 3-1/2" WRFCH is a valve controlled by a control line extending to the well surface. The completion string includes a service string to perform sand-control pumping and circulation operations, including gravel packing. The date of the document of Exhibit A is prior to July 13, 2000.
4. The document attached as Exhibit B contains a diagram of a completion string referred to by Schlumberger by the code name AGIP-BENIBOYE. The completion string of Exhibit B includes sand screens (adjacent respective zones), as well as intelligent completion devices (labeled 3-1/2" TRFC-H) disposed in

Date of Deposit: September 26, 2003  
I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313.

A. L. Thomas

respective sand screens. Each intelligent completions device labeled 3-1/2" TRFC-H is a valve controlled by a control line extending to the well surface. The completion string of Exhibit B includes a service string to perform sand-control pumping and circulation operations, including gravel packing. The date of the document of Exhibit B is prior to July 13, 2000.

5. The subject matter relating to the disposition of intelligent completions devices in sand screens as shown in the diagrams of Exhibits A and B was invented by Patrick W. Bixenman.
6. As set forth in the Declaration of C. Dale Quisenberry (Exhibit C), the attorney who prepared the parent application, a draft of the parent application was sent on July 10, 2000, to the inventors for review. On July 19, 2000, Jeffrey E. Griffin (in-house attorney for Schlumberger) sent feedback to Mr. Quisenberry (*see* Exhibit C). A revised draft of the parent application was sent by Mr. Quisenberry to Mr. Griffin on July 26, 2000 (*see* Exhibit C). On August 3, 2000, the parent application was filed with the U.S. Patent and Trademark Office (*see* Exhibit C).
7. The attached documents establish that conception occurred before July 13, 2000, with constructive reduction to practice occurring on August 3, 2000. The attached documents also establish due diligence from conception to construction reduction to practice.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: \_\_\_\_\_

\_\_\_\_\_  
Patrick W. Bixenman

Date: 9/25/03

James A. Pramann II  
James A. Pramann II



RECEIVED  
OCT 08 2003  
GROUP 360

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Patrick W. Bixenman et al. § Group Art Unit: 3672  
Serial No.: 10/078,612 §  
Filed: February 19, 2002 § Examiner: Jennifer R. Dougherty  
For: Thru-Tubing Sand Control Method § Atty. Dkt. No.: 68.0127CNT1  
and Apparatus § (SHL.0147C1US)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**DECLARATION UNDER 37 C.F.R. § 1.131 OF PATRICK W. BIXENMAN AND  
JAMES A. PRAMANN II**

We, Patrick W. Bixenman and James A. Pramann II, state as follows:

1. We are the inventors of the above-referenced application.
2. The above referenced application is a continuation of U.S. Patent Application Serial No. 09/631,859, filed August 3, 2000 (hereinafter referred to as "the parent application").
3. The document attached as Exhibit A contains a diagram of a completion string referred to by Schlumberger, the assignee of the present application, by the code name AGIP NAOMI. The completion string includes a sand screen (see screen in "Level 2" zone of the well), as well as an intelligent completions device (labeled 3-1/2" WRFCH) disposed in the sand screen. The device labeled 3-1/2" WRFCH is a valve controlled by a control line extending to the well surface. The completion string includes a service string to perform sand-control pumping and circulation operations, including gravel packing. The date of the document of Exhibit A is prior to July 13, 2000.
4. The document attached as Exhibit B contains a diagram of a completion string referred to by Schlumberger by the code name AGIP-BENIBOYE. The completion string of Exhibit B includes sand screens (adjacent respective zones), as well as intelligent completion devices (labeled 3-1/2" TRFC-H) disposed in


Date of Deposit: September 26, 2003  
I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313.  
D. R. Thomas

respective sand screens. Each intelligent completions device labeled 3-1/2" TRFC-H is a valve controlled by a control line extending to the well surface. The completion string of Exhibit B includes a service string to perform sand-control pumping and circulation operations, including gravel packing. The date of the document of Exhibit B is prior to July 13, 2000.

5. The subject matter relating to the disposition of intelligent completions devices in sand screens as shown in the diagrams of Exhibits A and B was invented by Patrick W. Bixenman.
6. As set forth in the Declaration of C. Dale Quisenberry (Exhibit C), the attorney who prepared the parent application, a draft of the parent application was sent on July 10, 2000, to the inventors for review. On July 19, 2000, Jeffrey E. Griffin (in-house attorney for Schlumberger) sent feedback to Mr. Quisenberry (*see* Exhibit C). A revised draft of the parent application was sent by Mr. Quisenberry to Mr. Griffin on July 26, 2000 (*see* Exhibit C). On August 3, 2000, the parent application was filed with the U.S. Patent and Trademark Office (*see* Exhibit C).
7. The attached documents establish that conception occurred before July 13, 2000, with constructive reduction to practice occurring on August 3, 2000. The attached documents also establish due diligence from conception to construction reduction to practice.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

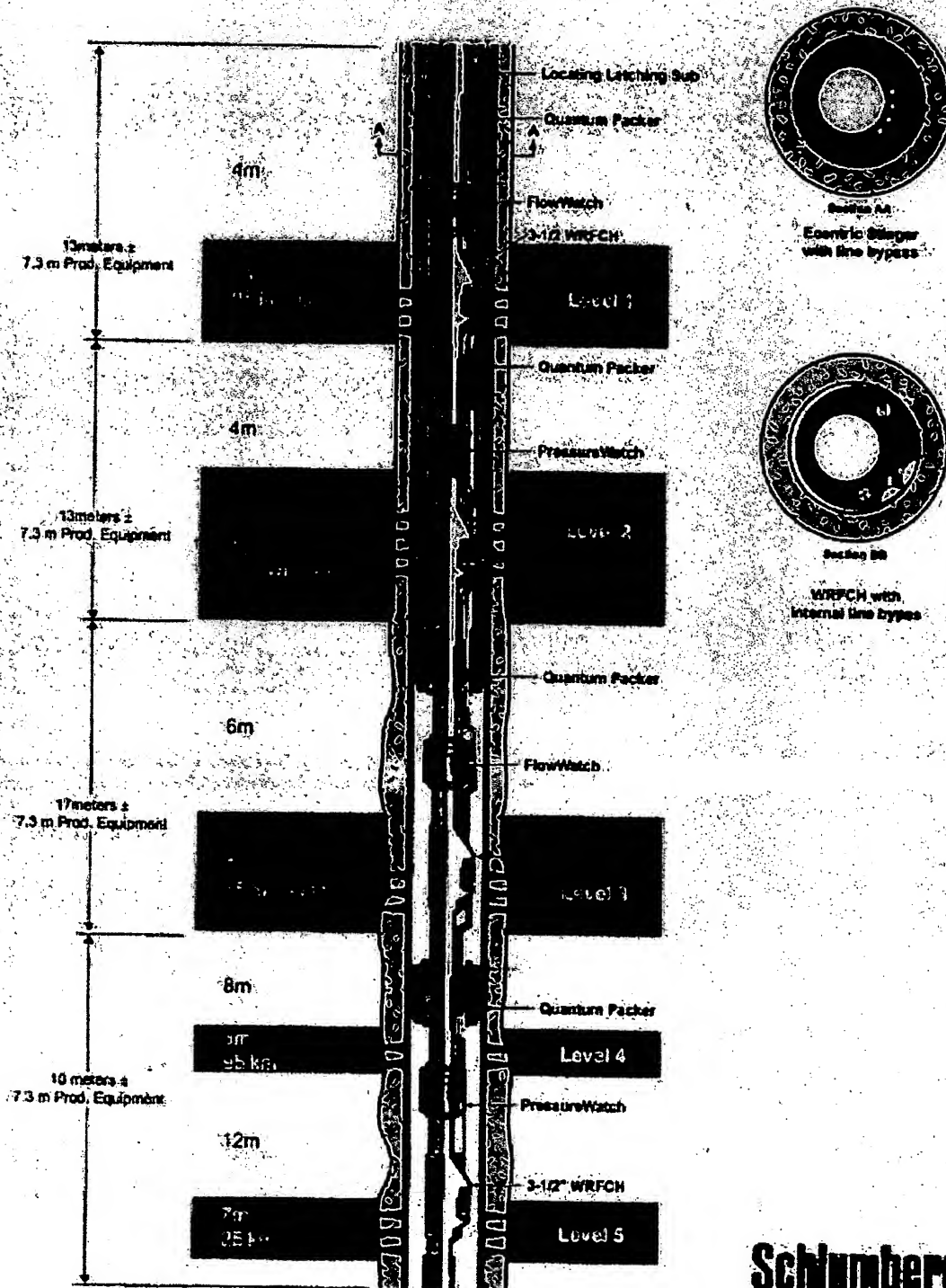
Date: 25 Sept 03

  
Patrick W. Bixenman

Date: \_\_\_\_\_

\_\_\_\_\_  
James A. Pramann II

# AGIP NAOMI

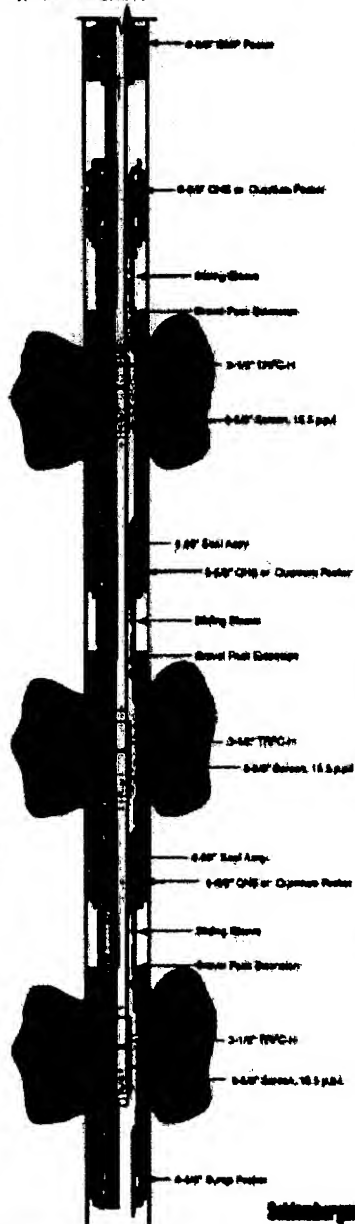


Schlumberger



## AGIP - BENIBOYE

System 2 - 10000 mbar (10000)



Schlumberger



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Patrick W. Bixenman et al.	§	Group Art Unit:	3672
		§		
Serial No.:	10/078,612	§		
		§	Examiner:	Jennifer R. Dougherty
Filed:	February 19, 2002	§		
		§		
For:	Thru-Tubing Sand Control Method	§	Atty. Dkt. No.:	68.0127CNT1
	and Apparatus	§		(SHL.0147C1US)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**DECLARATION OF C. DALE QUISENBERRY IN SUPPORT OF RULE 131**  
**DECLARATION BY PATRICK W. BIXENMAN AND JAMES A. PRAMANN II**

I, C. DALE QUISENBERRY, state as follows:


1. The above-referenced application is a continuation of U.S. Patent Application Serial No. 09/631,859, filed August 3, 2000 (hereinafter referred to as "the parent application"). I am the patent attorney who prepared the parent application.
2. On July 10, 2000, I sent a draft of the parent application to Mr. Jeffrey E. Griffin (in-house attorney of Schlumberger). *See* Exhibit 1. The draft application was sent for the purpose of review by the inventors.
3. On or about July 19, 2000, I received feedback from the inventors and from Mr. Griffin regarding the draft of the parent application. *See* Exhibit 2.
4. In response to the feedback from the inventors and Mr. Griffin, I sent another draft of the parent application to Mr. Griffin on July 26, 2000. *See* Exhibit 3.
5. The parent application was filed with the U.S. Patent and Trademark Office on August 3, 2000.

Date of Deposit: September 26, 2003  
I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313.

*D. R. Thomas*

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 9/25/03

  
\_\_\_\_\_  
C. DALE QUISENBERRY





EDWARD W. GOLDSTEIN  
DAVID J. HEALEY  
GARY J. FISCHMAN  
ANITA E. KADALA  
STEPHEN L. LUNDWALL  
JOHN T. POLASEK  
C. DALE QUISENBERRY

MICHAEL J. COLLINS  
OF COUNSEL

WENDY K. LAUBACH  
OF COUNSEL

COLIN E. ERRINGTON  
ANTHONY F. MATHENY  
LISA S. MCCALMONT  
STEPHEN W. ABBOTT

Jeffrey E. Griffin  
Camco International Inc.  
A Schlumberger Company  
P.O. Box 1590  
14910 Airline Road  
Rosharon, Texas 77583-1590

**GOLDSTEIN & HEALEY**  
L.L.P.

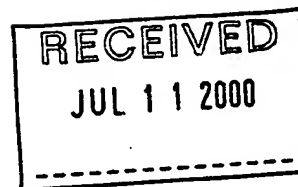
*Attorneys at Law*

1177 WEST LOOP SOUTH  
TENTH FLOOR  
HOUSTON, TEXAS 77027

TELEPHONE (713) 877-1515  
FACSIMILE (713) 877-1145  
E-mail: firm@ghiplaw.com

68.0127

July 10, 2000



(BY FEDERAL EXPRESS)

RE: U.S. Provisional Application Serial No. 60/147,861; entitled "*Thru-Tubing Sand Control Method and Apparatus*"; Our File No. 2262.062;  
Camco File No. D-A127.0

Dear Jeff:

You will recall that the deadline for converting the above-identified provisional application to a non-provisional application is August 9, 2000. In that connection, please find enclosed:

1. A twenty-eight (28) page specification;
2. Two (2) sets of formal drawings in PCT format; and
3. A Declaration for signature by the inventors.

Please have the inventors review the application. If they are satisfied with the application, please have them review and execute the Declaration, and then return the fully executed Declaration to us for filing.

We trust that the foregoing information is sufficient for your purposes; however, if you have any questions or require any further information, please do not hesitate to contact us.

DOCKETED *at*

**GOLDSTEIN & HEALEY L.L.P.**

Jeffrey E. Griffin  
July 10, 2000  
Page 2

Best personal regards.

Very truly yours,

GOLDSTEIN & HEALEY, L.L.P.

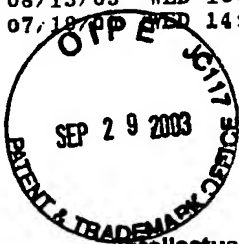
By:   
C. Dale Quisenberry

CDQ/ekb  
Enclosure

08/13/03 WED 10:07 FAX 8327786010  
07/19/03 WED 14:23 FAX 281 285 5537

PQ&E  
SRC IP. LAW DEPT

002  
001



Intellectual Property Law  
Schlumberger Reservoir Completions  
14910 Airline Road  
P.O. Box 1590  
Rosharon, Texas 77583-1590  
(281)285-5200

**Schlumberger**

**RECEIVED**  
OCT 08 2003  
**GROUP 3600**

**FAX Message**

DATE: Wednesday, July 19, 2000

TO: Dale Quisenberry

FAX NO.: (713) 877-1145

RE: 68.0127

FROM:

FAX NO.: (281) 285-5537

X Jeffrey E. Griffin,  
Intellectual Property Counsel  
[jgriffin@rosharon.camco.slb.com](mailto:jgriffin@rosharon.camco.slb.com)

PHONE NO.: (281) 285-5533

Jaime Castaño,  
Intellectual Property Attorney  
[castano@rosharon.wireline.slb.com](mailto:castano@rosharon.wireline.slb.com)

PHONE NO.: (281) 285-5722

Jan Hyland,  
Legal Secretary  
[hyland@rosharon.camco.slb.com](mailto:hyland@rosharon.camco.slb.com)

PHONE NO.: (281) 285-5777

NO. PAGES: 7 (including this cover)

**NOTICE OF CONFIDENTIALITY**

This information contained in and transmitted with this facsimile is:

1. SUBJECT TO THE ATTORNEY-CLIENT PRIVILEGE;
2. ATTORNEY WORK PRODUCT; OR
3. CONFIDENTIAL

It is intended only for use of the individual or entity named above. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone, and return the original message to us at the above address via the U.S. Postal Service. Thank you.

ref 68.0127

X

7. The well completion of claim 6, further including an upper washpipe nipple having an upper latching profile and a lower washpipe nipple having a lower latching profile, and wherein the washpipe includes a latching mechanism releasably engageable with the nipple profiles, the mechanism being engaged with the lower profile when in the first position and with the upper profile when in the second position.

8. The well completion of claim 6, wherein the washpipe includes a gripping profile releasably engageable with a gripping mechanism on a service tool that is deployed through the production tubing.

9. The well completion of claim 1, wherein the intelligent device is disposed in one of a first and a second position, the first position being between the packer and the sand screen, and the second position being below the sand screen.

10. The well completion of claim 1, wherein the intelligent device is one of a temperature sensor, a pressure sensor, and a flow-control device.

11. The well completion of claim 1, wherein the control cable includes at least one of an electrical cable, a fiber optic cable and a hydraulic control line.

12. The well completion of claim 1, wherein the upper packer is a multiport packer and adapted to sealably pass at least one cable in the control cable therethrough.

13. The well completion of claim 1, further including a safety shear sub shearably disposed between the upper packer and the sand screen.

14. The well completion of claim 1, further including a lower packer disposed below the sand screen.

PAT

with  
sand screen

PAT

see p. 12

fig 1.7

+ Sand Detection



C. DALE QUISENBERRY

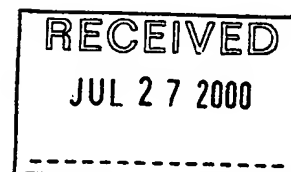
**GOLDSTEIN & HEALEY**  
LLP.

*Attorneys at Law*

1177 WEST LOOP SOUTH  
TENTH FLOOR  
HOUSTON, TEXAS 77027

TELEPHONE (713) 877-1515  
FACSIMILE (713) 877-1145  
E-mail: [cdq@ghiplaw.com](mailto:cdq@ghiplaw.com)

July 26, 2000



Jeffrey E. Griffin  
Camco International Inc.  
A Schlumberger Company  
P.O. Box 1590  
14910 Airline Road  
Rosharon, Texas 77583-1590

**RECEIVED**  
OCT 08 2003  
**GROUP 3600**

RE: U.S. Provisional Application Serial No. 60/147,861; entitled "*Thru-Tubing Sand Control Method and Apparatus*"; Our File No. 2262.062; Camco File No. D-A127.0

Dear Jeff:

Enclosed is a revised draft of the non-provisional application corresponding to the above-identified provisional application. The enclosed draft incorporates the revisions we discussed by telephone last week. You should be receiving by separate cover revised formal drawings from Will Cunningham. Please have the inventors review the revised application and drawings. If they are satisfied with the application, please have them review and execute the Declaration that was enclosed with my letter dated July 10, 2000, and then return the fully executed Declaration to us for filing.

We trust that the foregoing information is sufficient for your purposes; however, if you have any questions or require any further information, please do not hesitate to contact us.

Very truly yours,

GOLDSTEIN & HEALEY, L.L.P.

By:   
C. Dale Quisenberry

CDQ/bmb  
Enclosure